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(54) REFORMING CATALYST FOR HYDROCARBON, AND REFORMING METHOD OF HYDROCARBON USING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a reforming catalyst for hydrocarbon suitable to various reforms of hydrocarbon with superior activity, and a reforming method of hydrocarbon using the catalyst.

SOLUTION: This reforming catalyst for hydrocarbon contains (a) manganese oxide, (b) alumina, (c) at least one kind of platinum group element selected from ruthenium, platinum, rhodium, palladium, and indium, and has an average pore diameter of 15 nm or more, a pore volume of 0.05 mL/g or more for pores with a diameter less than 50 nm, a pore volume of 0.02-0.3 mL/g for pores with a diameter 50 nm or more, and a pore volume of 0.02 mL/g or less for pores with a diameter 500 nm or more. Hydrocarbon is reformed using the catalyst.

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